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PRODUCTS

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PRODUCT CATEGORIES / POWER SUPPLIES / WALL CHARGER - 5V USB (1A)

VIDEOS

Wall Charger - 5V USB (1A) TOL-11456 ROHS✔

WISH LISTS

★ ★ ★ ☆ 2

Description: USB is being implemented as a power connection standard more and more these days, but you don't always have a computer on hand so how are you going to power all of your sweet USB devices? How about a high quality switching 'wall wart'? This AC to DC power supply will do 5V at 1A! They're switch mode power supplies which means the output is regulated to 5V (no more 14V outputs!).

DISTRIBUTORS

These have a standard USB 'A' connector for the output so you can power your Arduino, Raspberry Pi, etc. through a USB cable. Any device that uses a USB cable for charging or power can be powered with this supply.

Check out our Unregulated Power Supply Tutorial!

Note: This works with 100-240VAC inputs.

Recommended Products



SPARKFUN RECOMMENDED Raspberry Pi 2 - Model B DEV-13297



SPARKFUN RECOMMENDED Wall Adapter Power Supply - 5V DC 2A (Barrel Jack) ● TOL-12889



SPARKFUN RECOMMENDED SparkFun USB Mini-B Cable - 6 Foot ○ CAB-11301



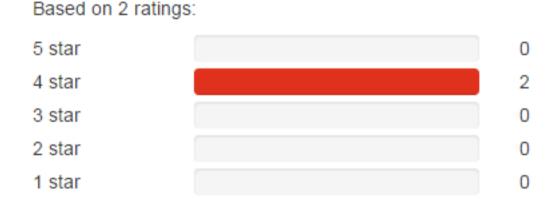
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SPARKFUN RECOMMENDED SparkFun USB LiPoly Charger - Single Cell PRT-12711

COMMENTS 16

REVIEWS ★ ★ ★ ☆ ②

Customer Reviews



1 of 1 found this helpful:

★★★☆☆ It does what it says.

about 8 months ago by Member #99068

✓ verified purchaser

I have used this Wall Charger for both my Samsung Galaxy S5 and a Raspberry PI. I started by removing the plastic baggie, placed the prongs into a wall receptacle, inserted a USB cable, and connected my Raspberry... Boom! it booted up. I similarly connected the USB cable to my phone.. POW! the lightning bolt appeared on the battery icon in the right screen corner. I've been using this item since January 23, so far no wavering and no quitting... a true super-power. I recommend this item if you need to send power through a USB cable.

🛊 🛊 🛊 🛊 🏠 Pretty Close to USB Spec

about 4 months ago by prolaag ✓ verified purchaser

I purchased 5 of these chargers in May 2015 and connected a dummy load of 800mA (5W 6.2 ohm resistor) to each to see how well they do under load. I viewed the voltage across the load using my trusty old HP54602B oscilloscope. The numbers were consistent across all 5 units: Avg: 5.28V (USB spec: 5.00) Min: 5.24V (USB spec: 4.75) Max: 5.32V (USB spec: 5.25) Ripple: 80mV. Ripple frequency is 33.3KHz.

Here's a screenshot of a typical waveform for this charger (don't mind the dust on the scope screen!): http://imgur.com/IRzHsIW

I've evaluated many chargers this way and I'd say this is a pretty good model. My desktop's USB provides 4.93V with a ripple of 20mV. Crappy 'free-gift' chargers provide about 5.2V with a ripple of 1 Volt (yes, 1 volt!). The charger that came with my Samsung phone was about the same as the one being reviewed here. All in all, two scope-probes up!

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